Marion Robbins
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EDUCATION

Northeastern University   Boston, MA
Candidate for Bachelor of Science in Mechanical Engineering   2027
Minor in Environmental Science   GPA: 3.5
Awards: Dean's List Fall 2022, Dean's List Spring 2023, Dean's List Fall 2023
Courses: Fluid Mechanics, Dynamics, Mechanics of Materials, Thermodynamics, Statics, Material Science, Physics I-II, Calculus I-III, Differential Equations, Introduction to Environmental Social and Biological Data
Activities: Northeastern University Huskiers and Outing Club

North Yarmouth Academy   Yarmouth, ME
High School Diploma   GPA: 4.11
Awards: Cum Laude Society Inductee, North Yarmouth Academy STEM Distinction, MPA Principal's Award, Western Maine Conference Athletics All-Academic Team
Activities: NYA Lead Ambassador, Varsity Soccer Captain, Indoor and Outdoor Track Captain, Student Council

SKILLS AND INTERESTS

Technical Applications: AutoCAD, SolidWorks, Microsoft Excel, Canva, PowerPoint
Programming: MATLAB, C++ (basic)
Manufacturing: Laser Cutting
Interests: Renewable Energy, Product Manufacturing, Sales Engineering, Environmental Conservation
Professional Certifications: LEED Green Associate (Issued December 2024), OSHA Outreach Training Program - Construction (Issued July 2025)

PROJECTS

"Guardians of the Green" Videogame, Cornerstone of Engineering II   Fall 2023
- Collaborated with a team of four to develop a joystick-operated, arcade-style videogame
- Designed 4 elements of the game on SolidWorks and AutoCAD for laser cutting and 3D printing
- Created all of the video game graphics on Canva, drew and painted all of the game decor
- Presented the fully functional exhibit to a classroom of children in the greater Boston area with success.

WORK EXPERIENCE

Direct Expansion Solutions   July 2025-December 2025
Sales Co-op Engineer
- Collaborated with a team of mechanical engineers and contractors on VRF air-source heat pump system design, selections, pricing, and takeoffs for commercial and multi-residential buildings.
- Revamped and debugged a 5000+ line Microsoft Visual Basic (VBA) macro to restructure and standardize selection reports, improving reliability and maintainability
- Designed and implemented a 2000+ line VBA macro automation tool to streamline the addition of VRF equipment accessories to internal software, significantly reducing manual entry and processing time

Demand Management Institute   July 2024-December 2024
Energy Efficiency Co-op Engineer
- Assisted PE's in the office with short and long-term projects requiring strong Microsoft Excel skills, HVAC and energy efficiency knowledge, as well as the ability to navigate and understand complicated construction drawings
- Consulted on small business utility incentive applications independently
- Performed 6 solo post-inspections for utility companies, and performed 2 assisting coworkers